

FIG. 1

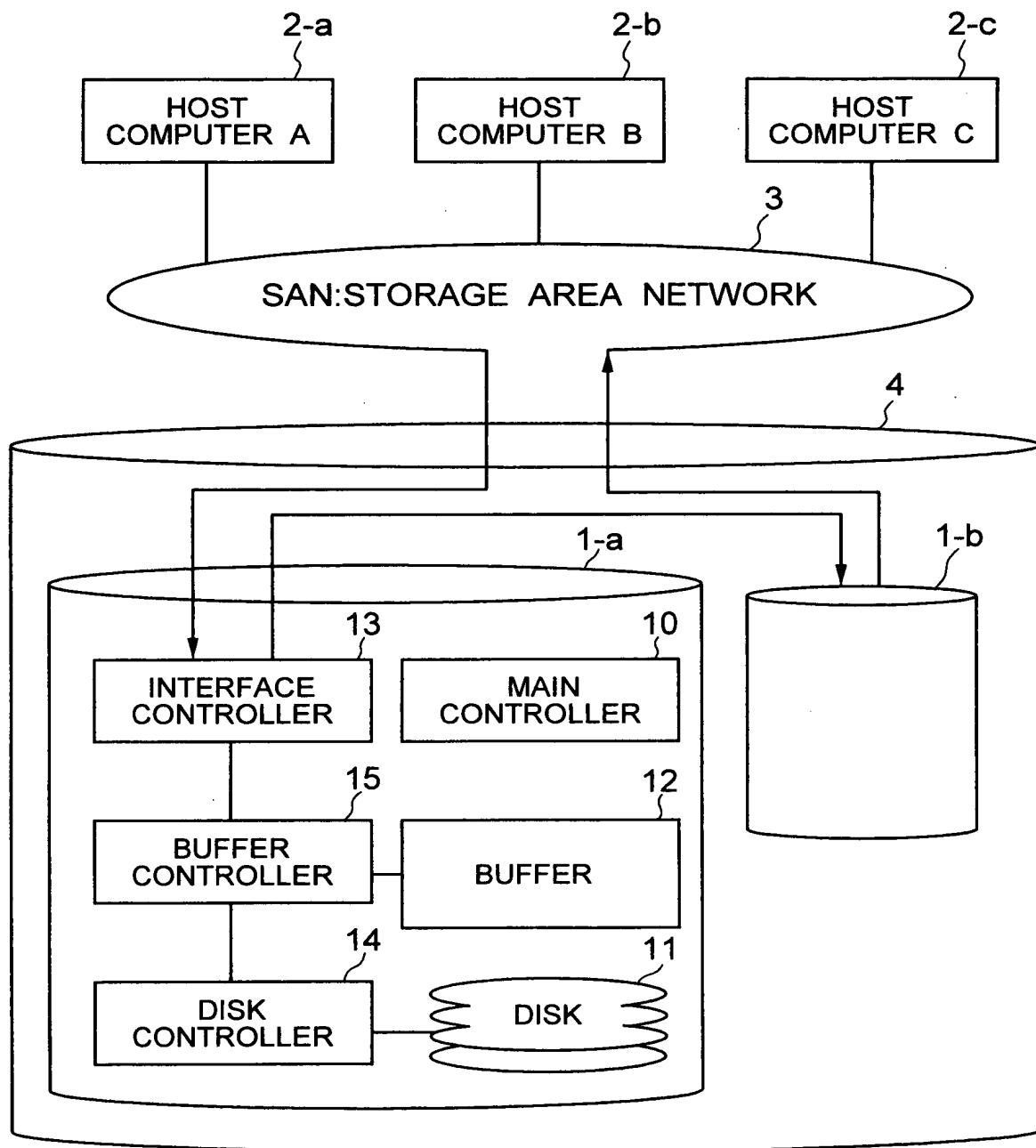


FIG. 2

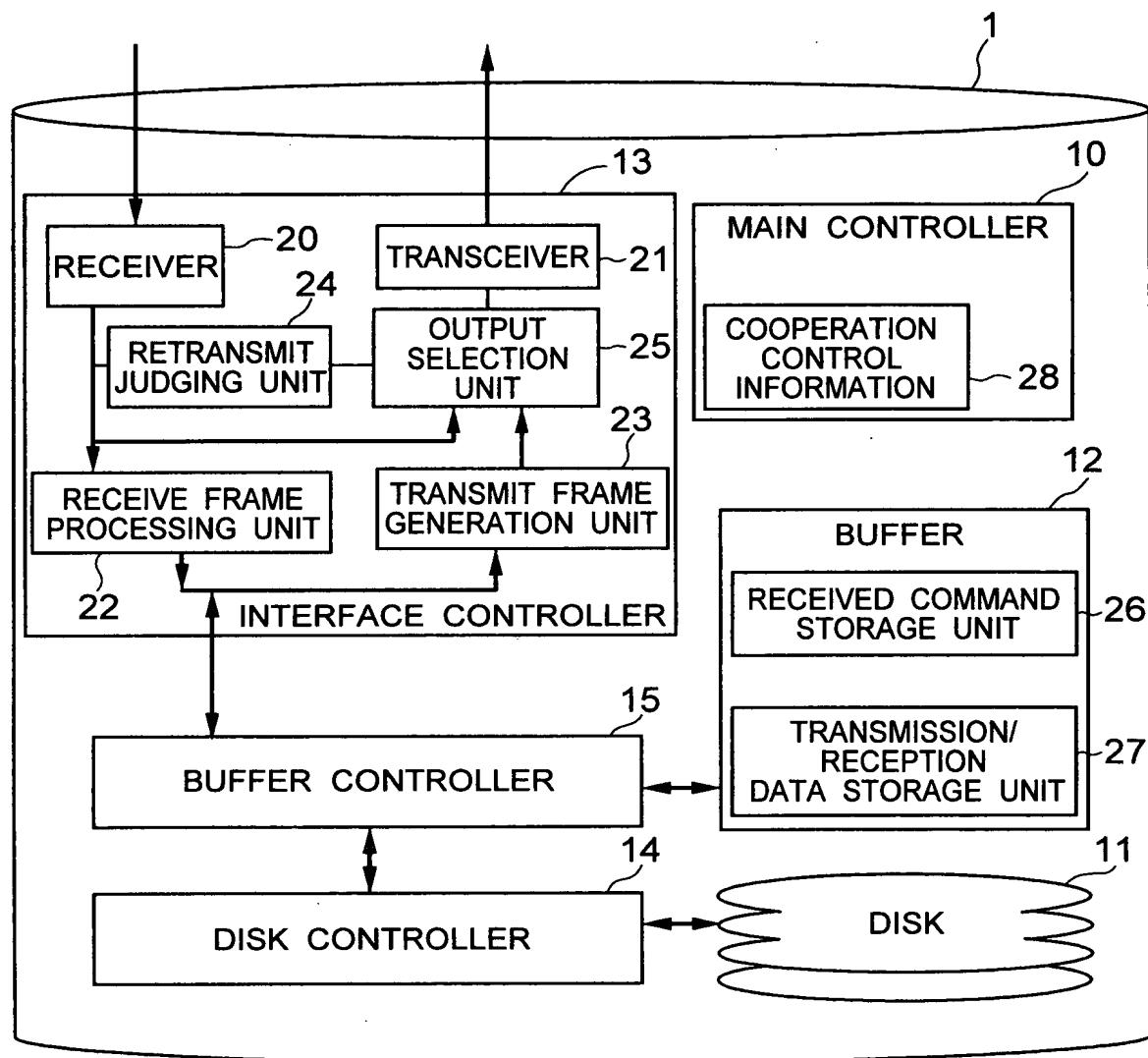


FIG. 3

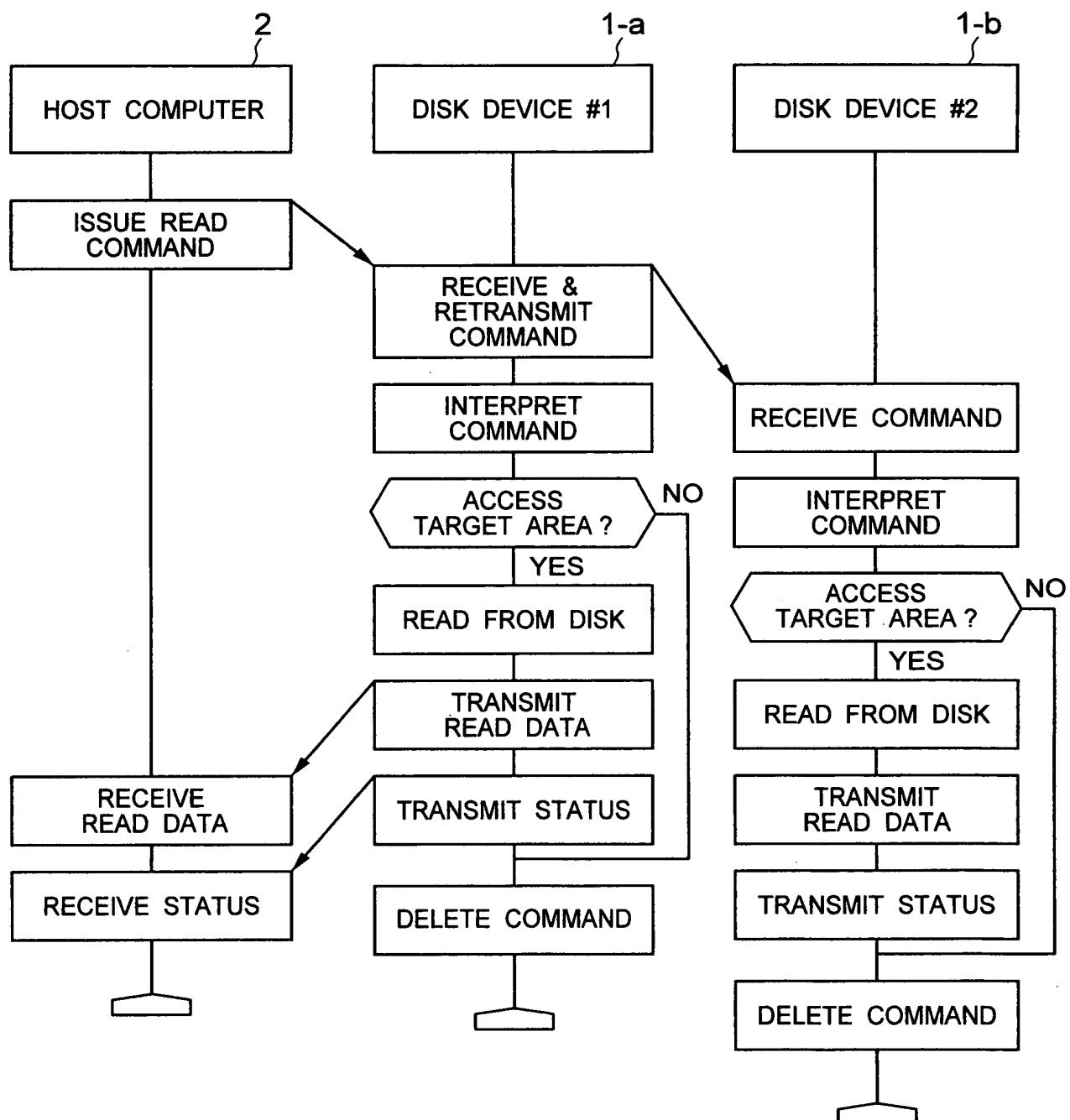
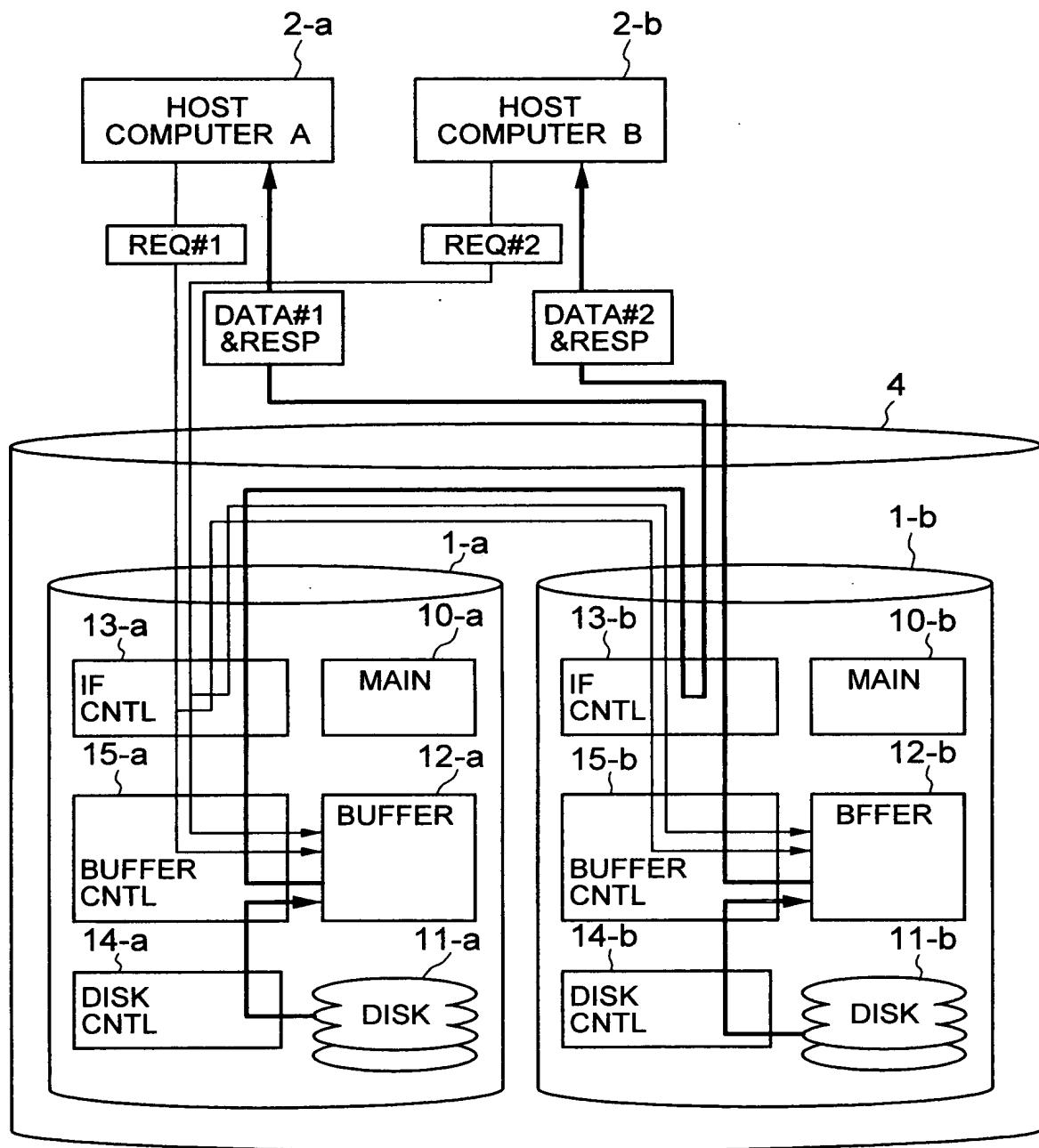


FIG. 4



10082303-022502

FIG. 5

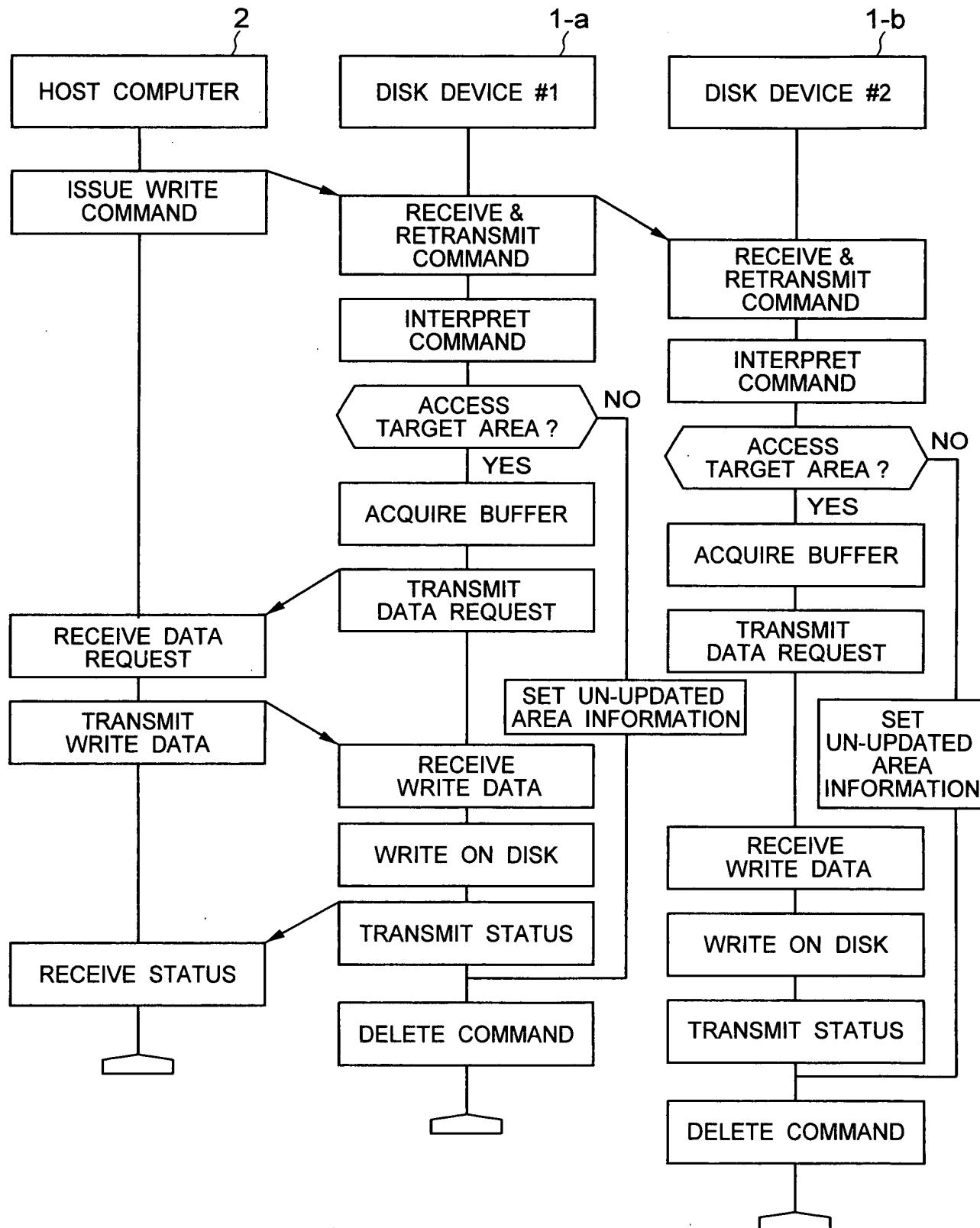


FIG. 6

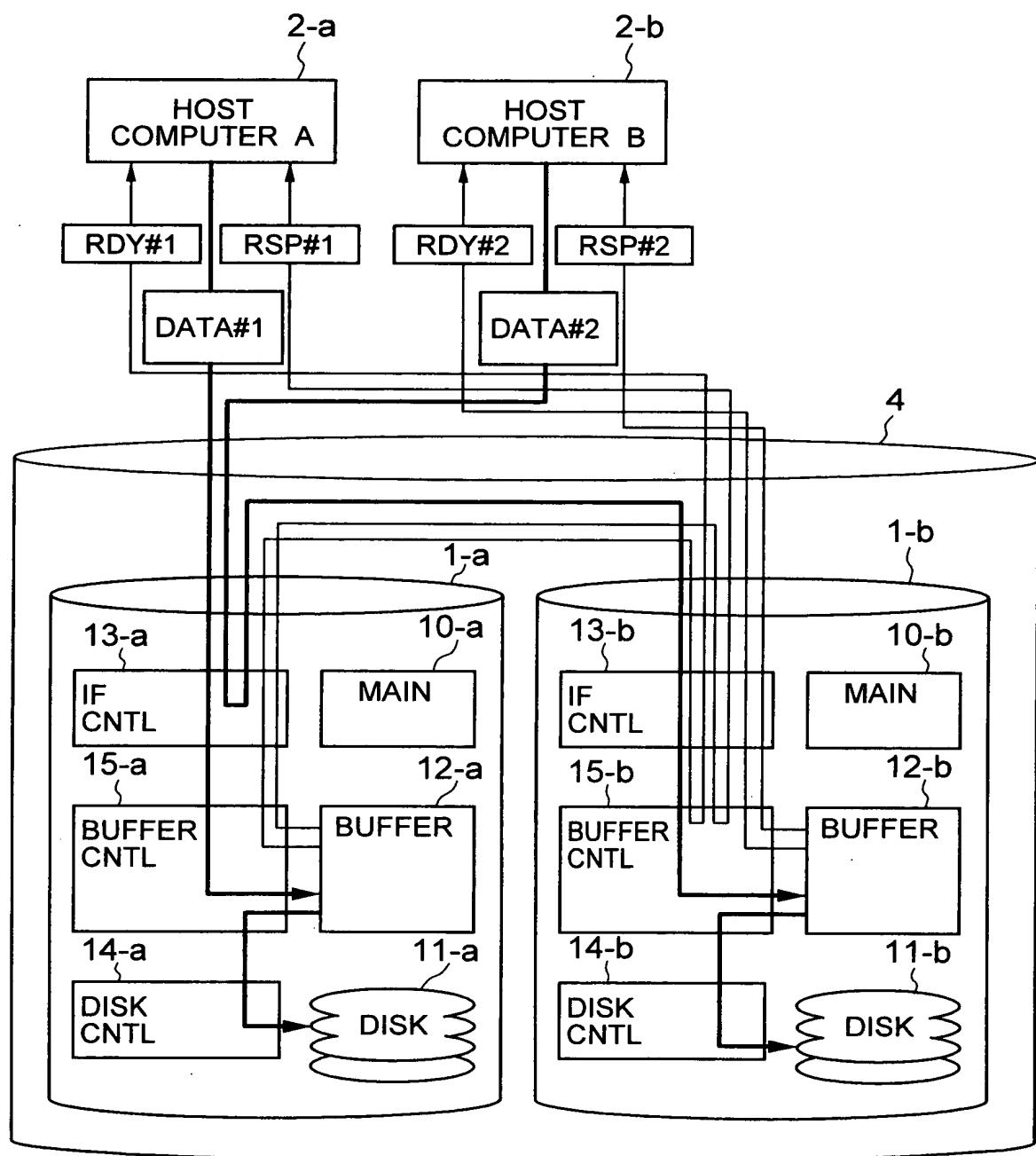


FIG. 7

30

#	UN-UPDATED AREA START ADDRESS	UN-UPDATED AREA SIZE	UPDATE INFORMATION
0			
1			
2			
•			
N			

FIG. 8

4

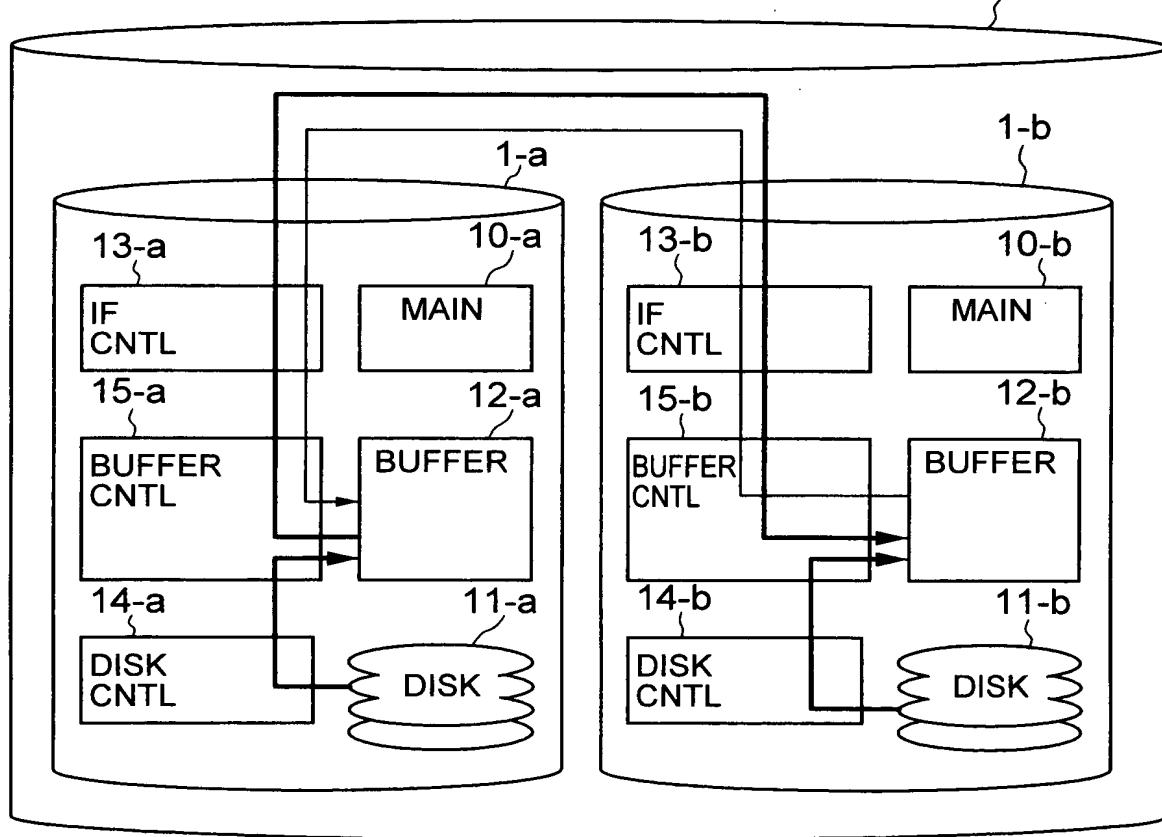
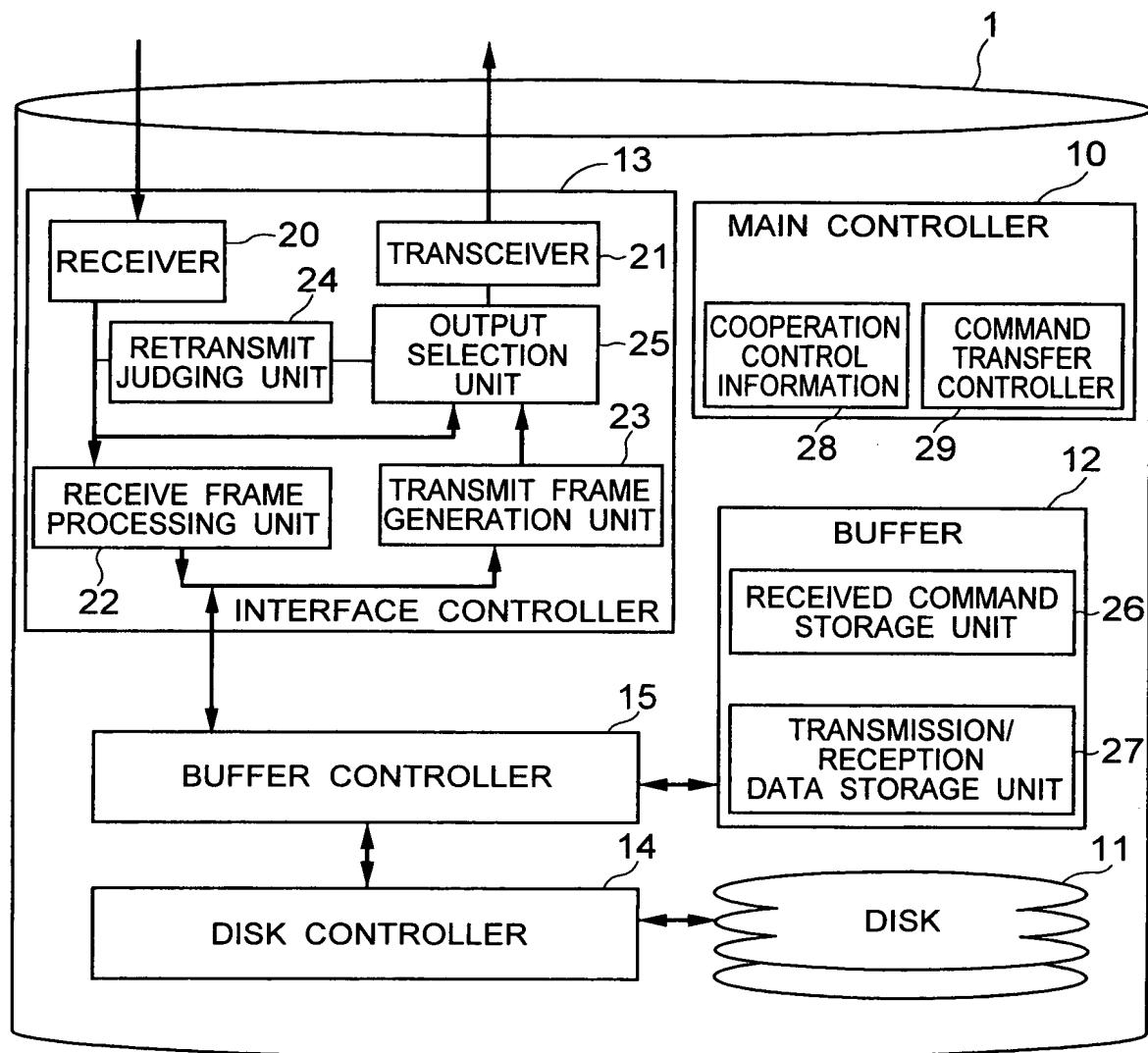


FIG. 9



100022002 - 022602

FIG. 10

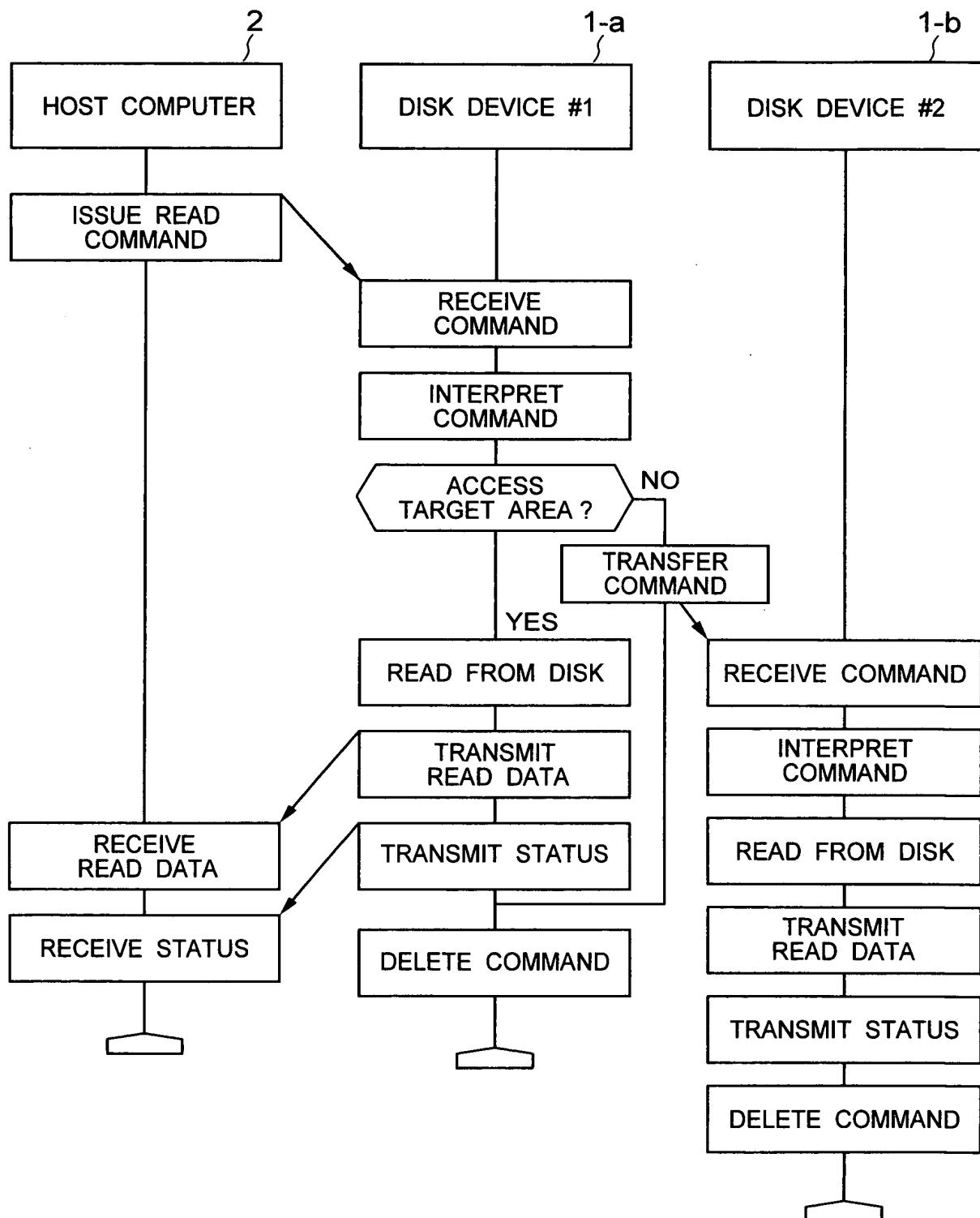


FIG. 11

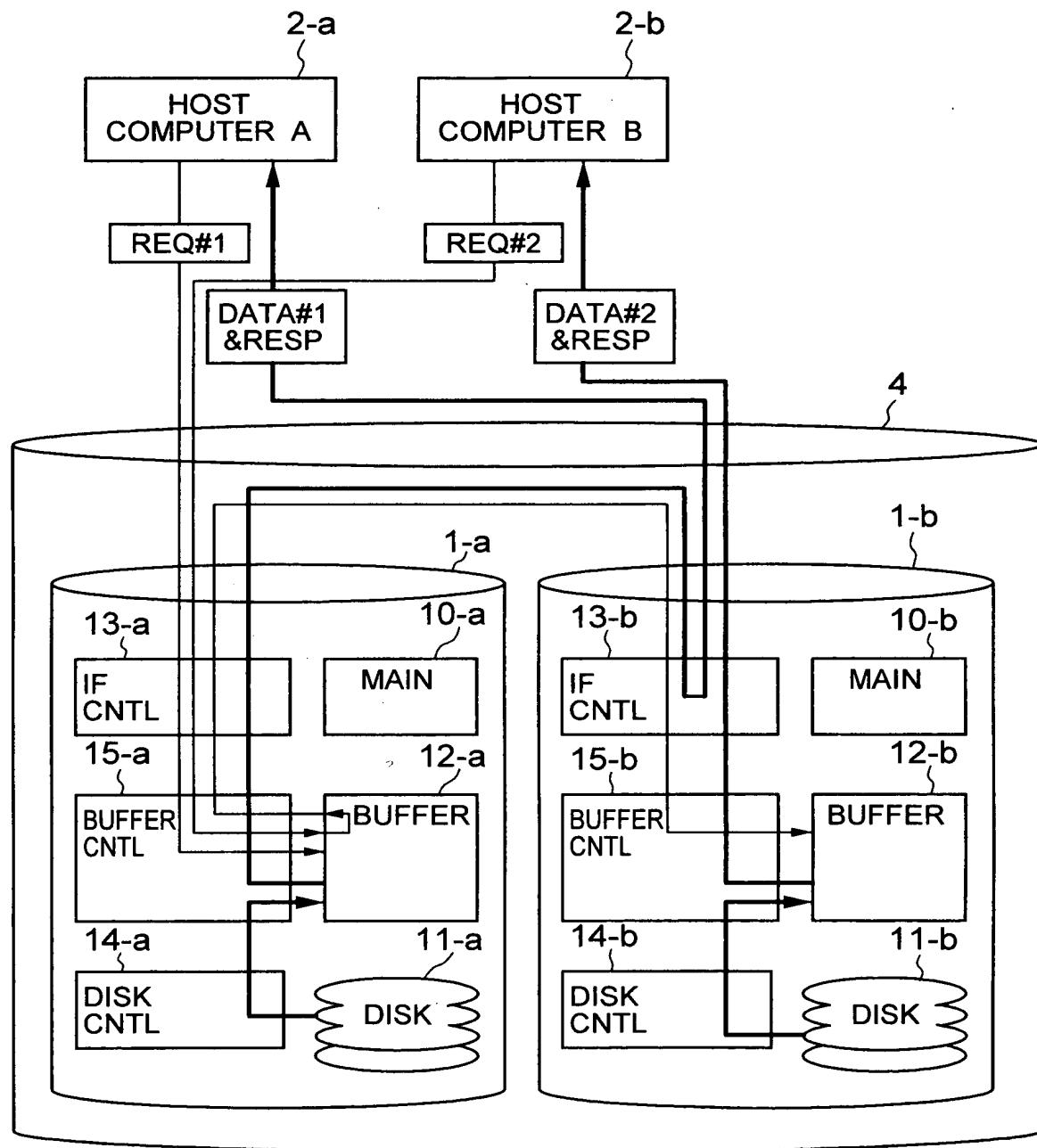


FIG. 12

2020-06-28 00:00:00

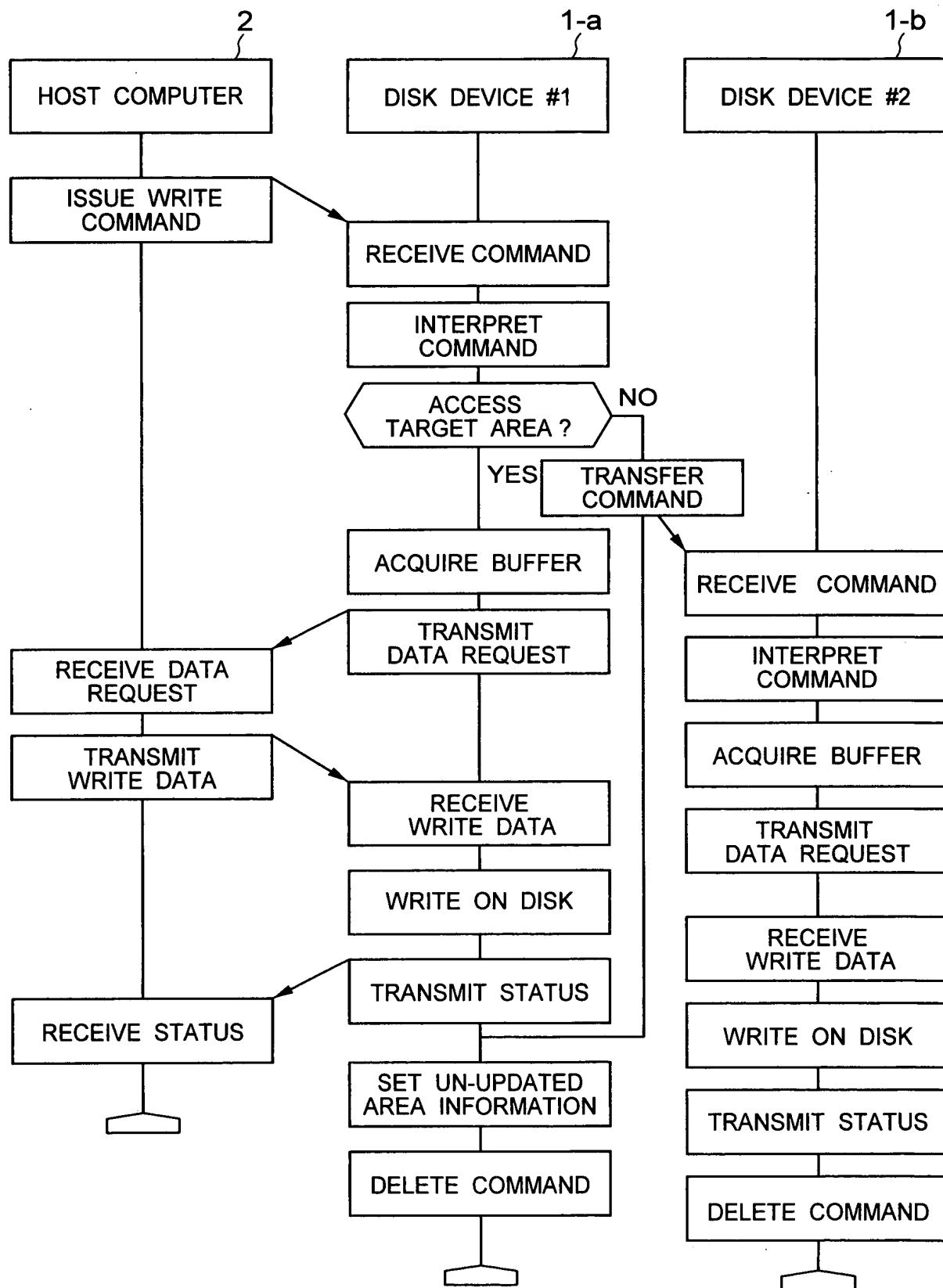


FIG. 13

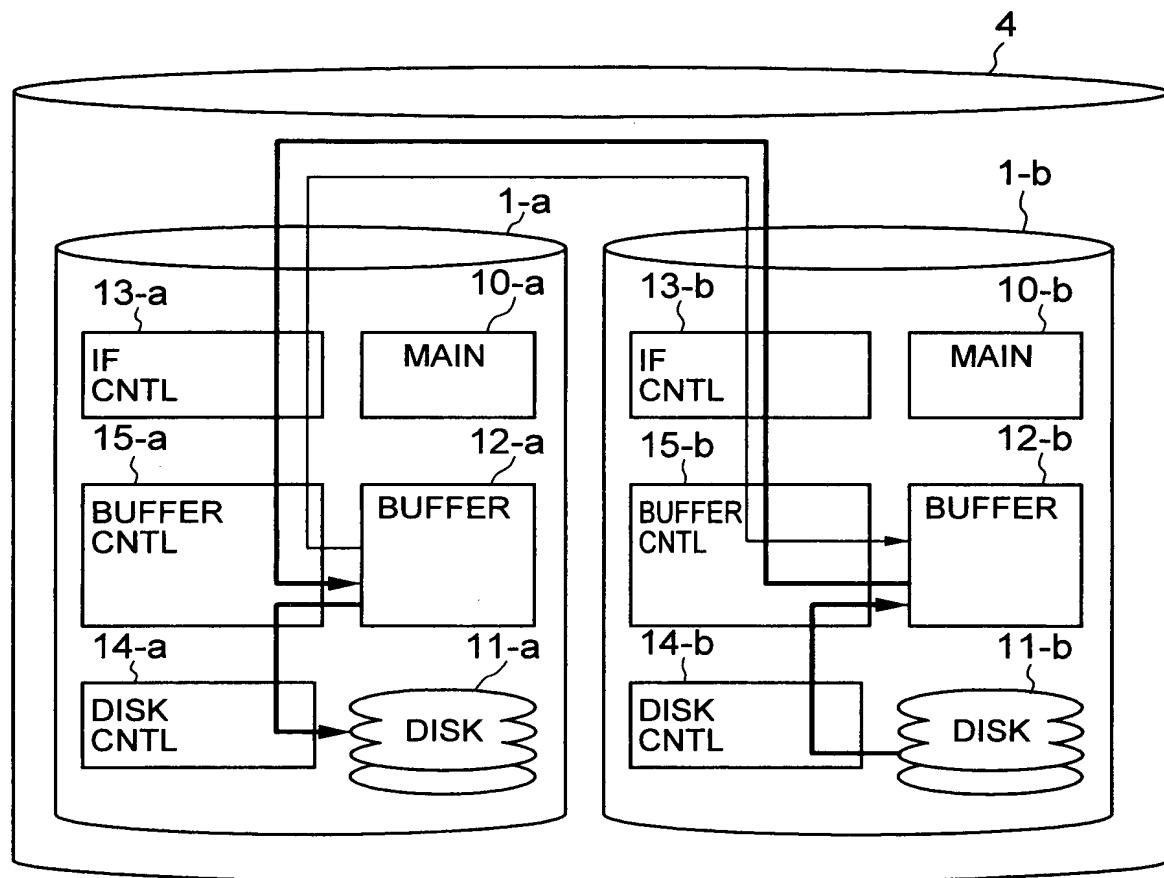


FIG. 14

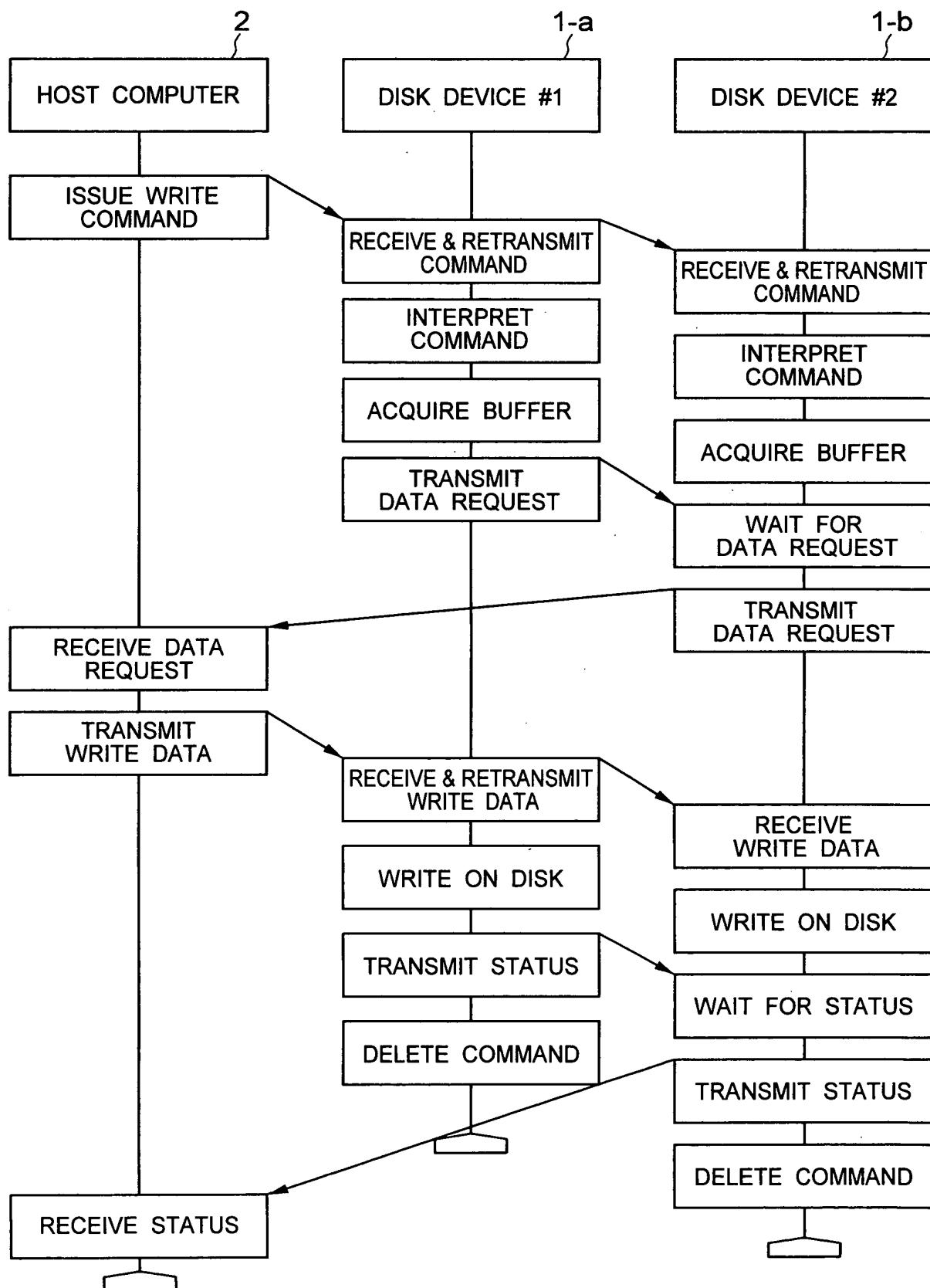


FIG. 15

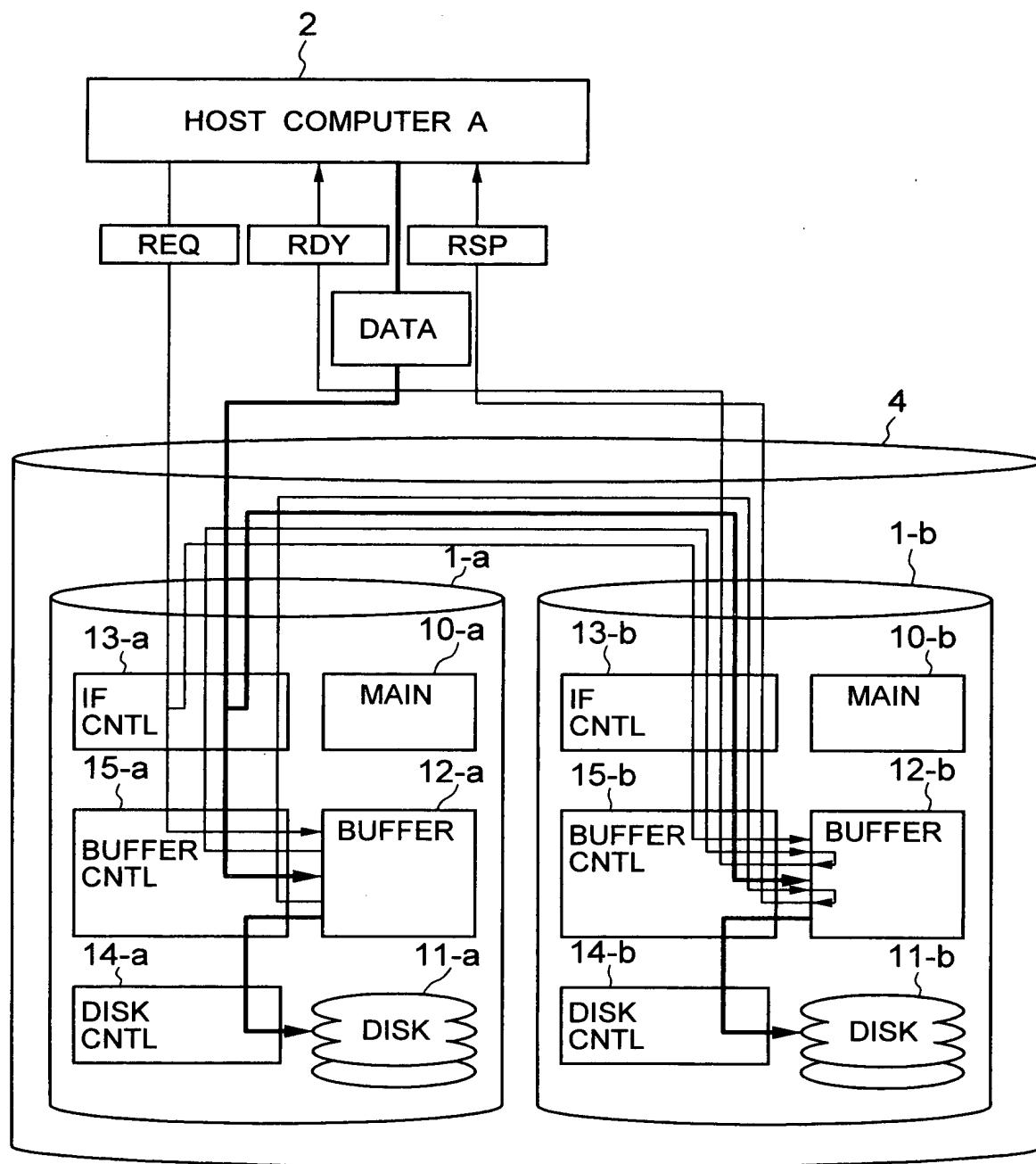


FIG. 16

COOPERATION CONTROL INFORMATION ITEM	EXAMPLE OF SETTING FOR STORAGE DEVICE #1	EXAMPLE OF SETTING FOR STORAGE DEVICE #2
STORAGE SYSTEM ID (SHARED ID)	ID_0	ID_0
STORAGE DEVICE ID (UNIQUE ID)	ID_1	ID_2
COOPERATION STORAGE DEVICE ID (ID UNIQUE TO COOPERATION STORAGE DEVICE)	ID_2	ID_1
COOPERATION PROCESSING (COMMAND TRANSFER) MODE	COMMAND RETRANSMISSION	COMMAND RECEPTION
AREA MANAGEMENT INFORMATION	COOPERATION PROCESSING AREA	0- (N-1)
	ACTIVE AREA START ADDRESS	0
	ACTIVE AREA SIZE	N / 2

FIG. 17

BYTE	BIT	7	6	5	4	3	2	1	0							
0-7		FCP_LUN														
8		COMMAND REFERENCE NUMBER														
9		RESERVED					TASK ATTRIBUTE									
10		TASK MANAGEMENT FLAGS														
11		RESERVED					RD DATA	WR DATA								
12		OPERATION CODE														
13		LOGICAL UNIT NUMBER					FLAG									
14-17		LOGICAL BLOCK ADDRESS														
18		RESERVED														
19-20		TRANSFER LENGTH														
21		CONTROL														
22-27		RESERVED														
28-31		FCP_DL														

FIG. 18

WORD	BYTE	3	2	1	0
0	R_CTL			D_ID	
1	CS_CTL			S_ID	
2	TYPE			F_CTL	
3	SEQ_ID	SEQ_ID		SEQ_CNT	
4		OX_ID		RX_ID	
5				PARAMETER	

FIG. 19

#	HOST ID (S_ID)	OX_ID	RX_ID
0	ID_3	OX_00	RX_00
1	ID_3	OX_01	RX_02
2	ID_4	OX_01	RX_04
.	--	--	--
N	--	--	--

FIG. 20

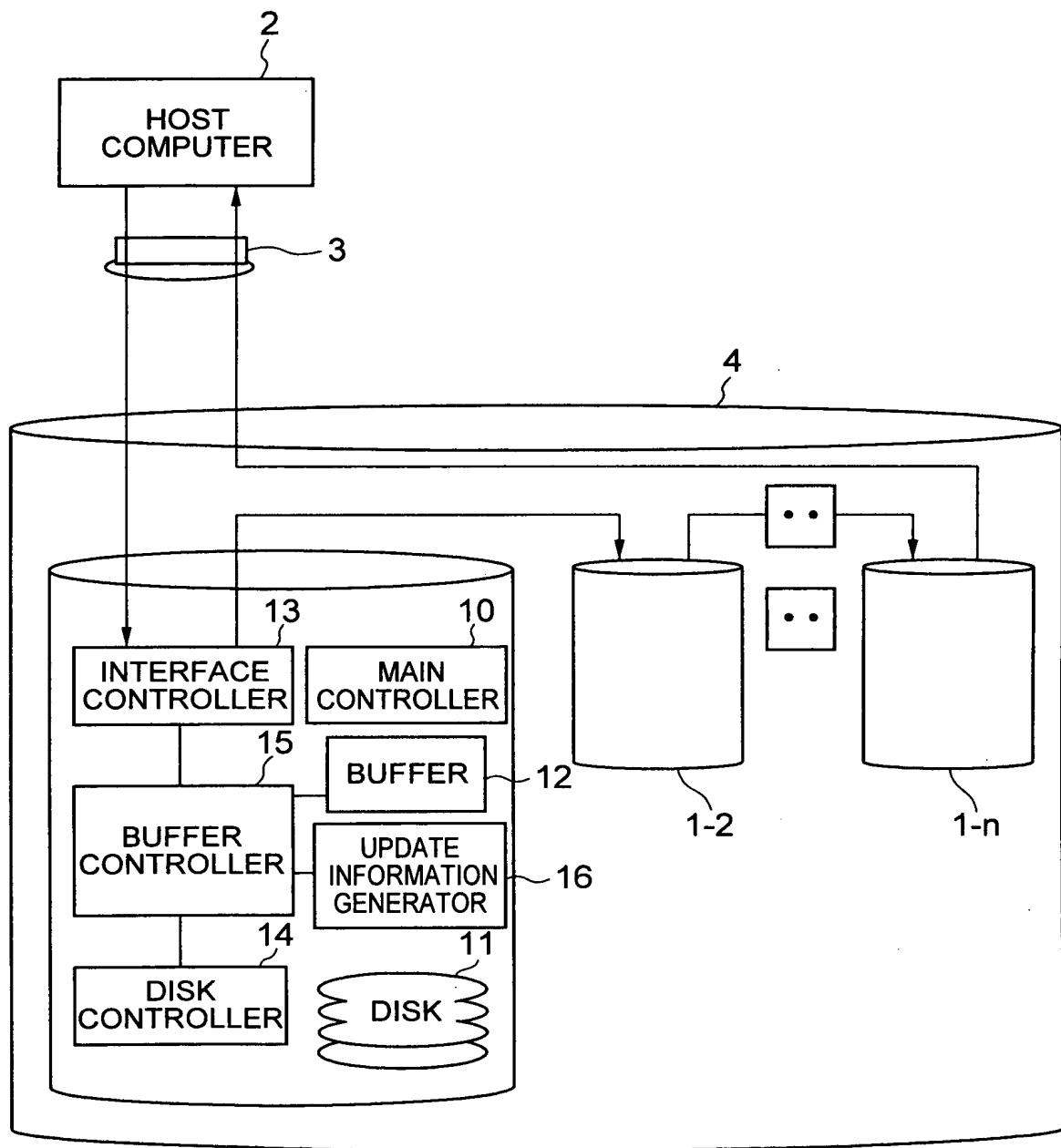


FIG. 21

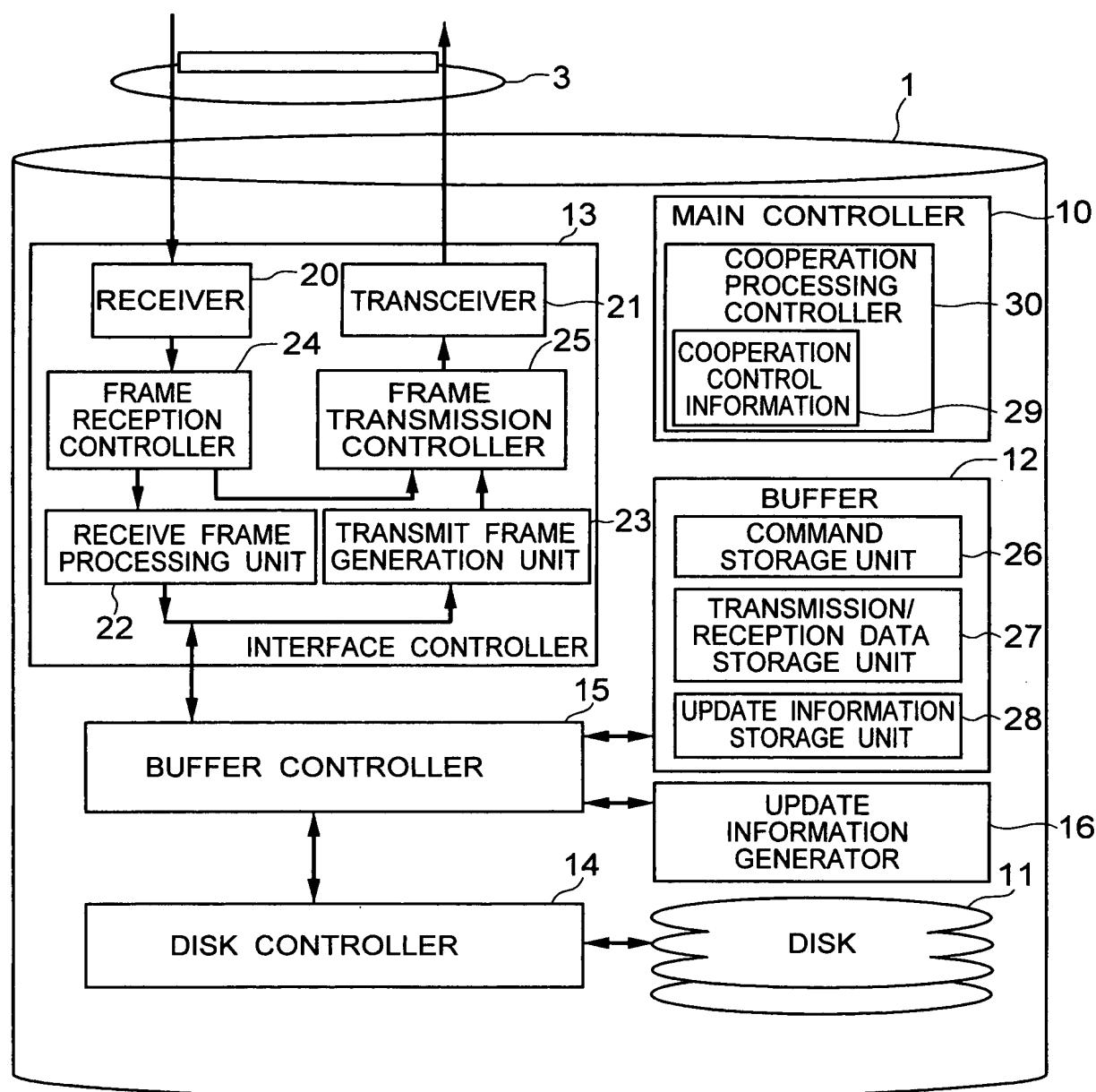


FIG. 22

COOPERATION CONTROL INFORMATION ITEM	STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYSTEM ID (SHARED ID)	ID_0	←	←
STORAGE DEVICE ID (UNIQUE ID)	ID_1	ID_2	ID_N
POSITION MAP	1	2	N
COMMAND TRANSFER MODE	RECEPTION & RETRANSMISSION	RECEPTION & RETRANSMISSION	RECEPTION ONLY
REDUNDANT CONFIGURATION MANAGEMENT INFORMATION	RAID LEVEL	5	←
	NO. OF DATA DISKS	N-1	←
	NO. OF REDUNDANT DATA DISKS	1	←
	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	←

FIG. 23

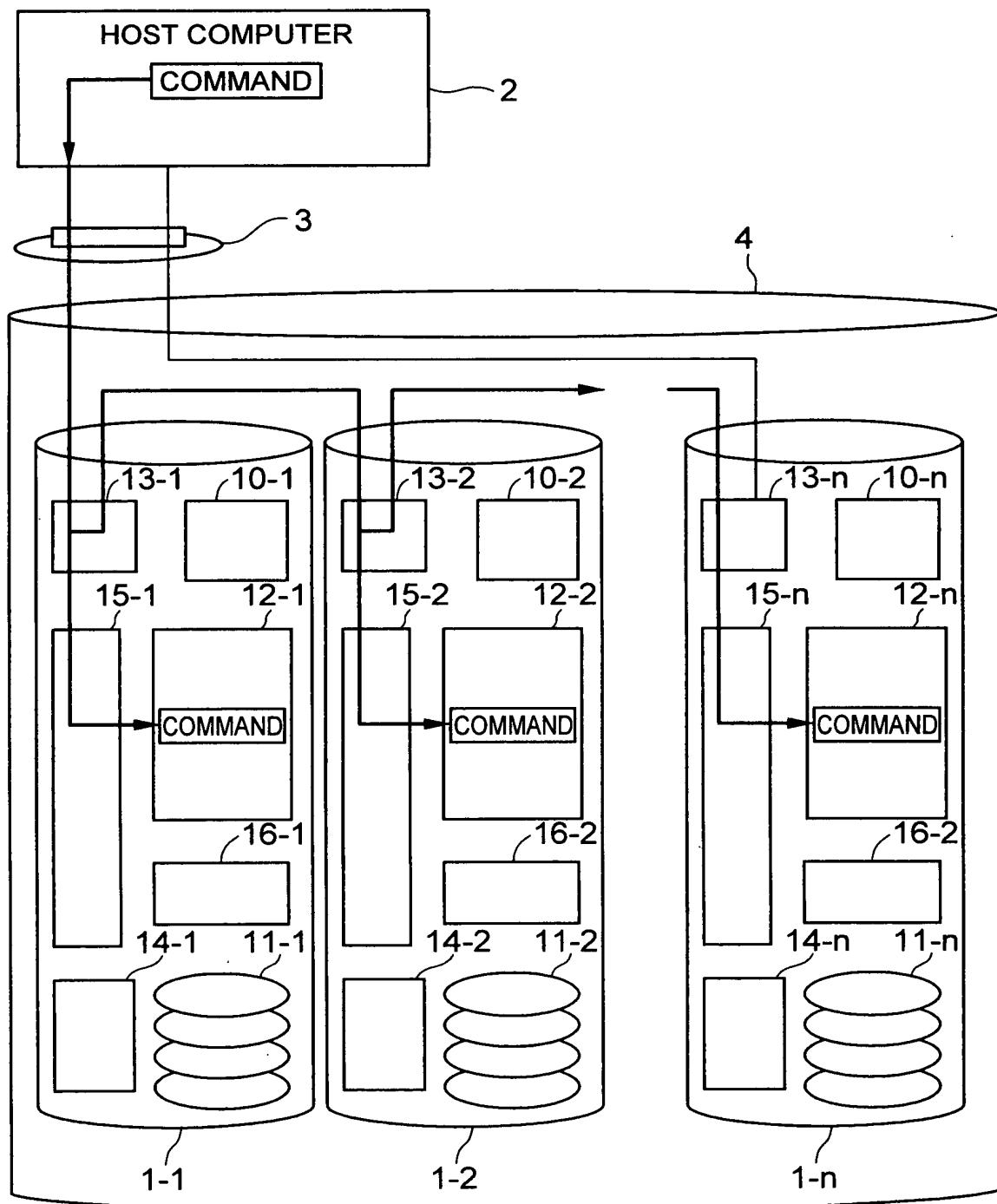
SOF	HEADER	PAYLOAD	CRC	EOF
-----	--------	---------	-----	-----

FIG. 24

WORD	BYTE	3	2	1	0
0	R_CTL			D_ID	
1	CS_CTL			S_ID	
2	TYPE			F_CTL	
3	SEQ_ID	SEQ_ID		SEQ_CNT	
4		OX_ID		RX_ID	
5			PARAMETER		

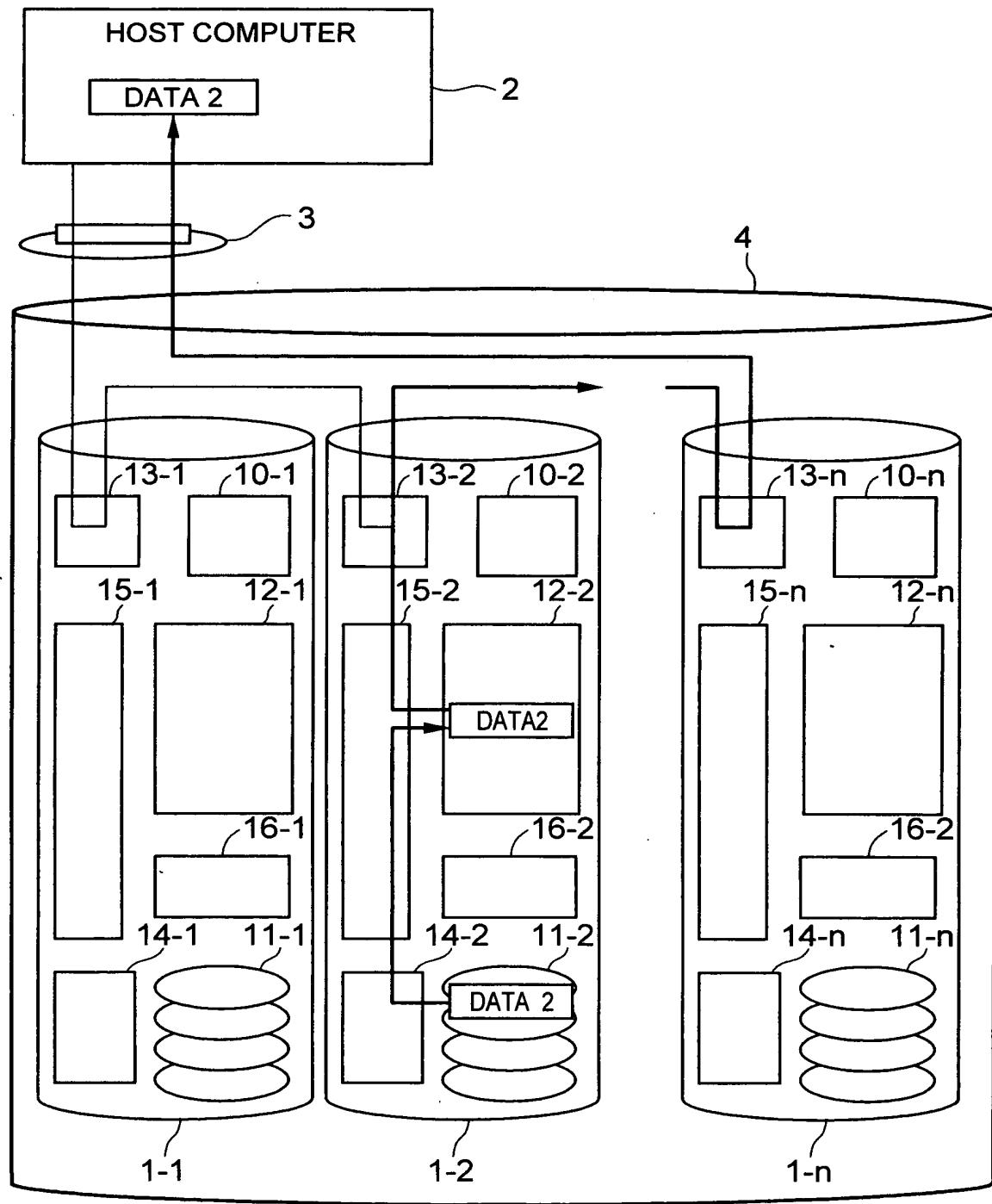
FIG. 25

FIG. 26



1000823204-022602

FIG. 27



10002303-022602

FIG. 28

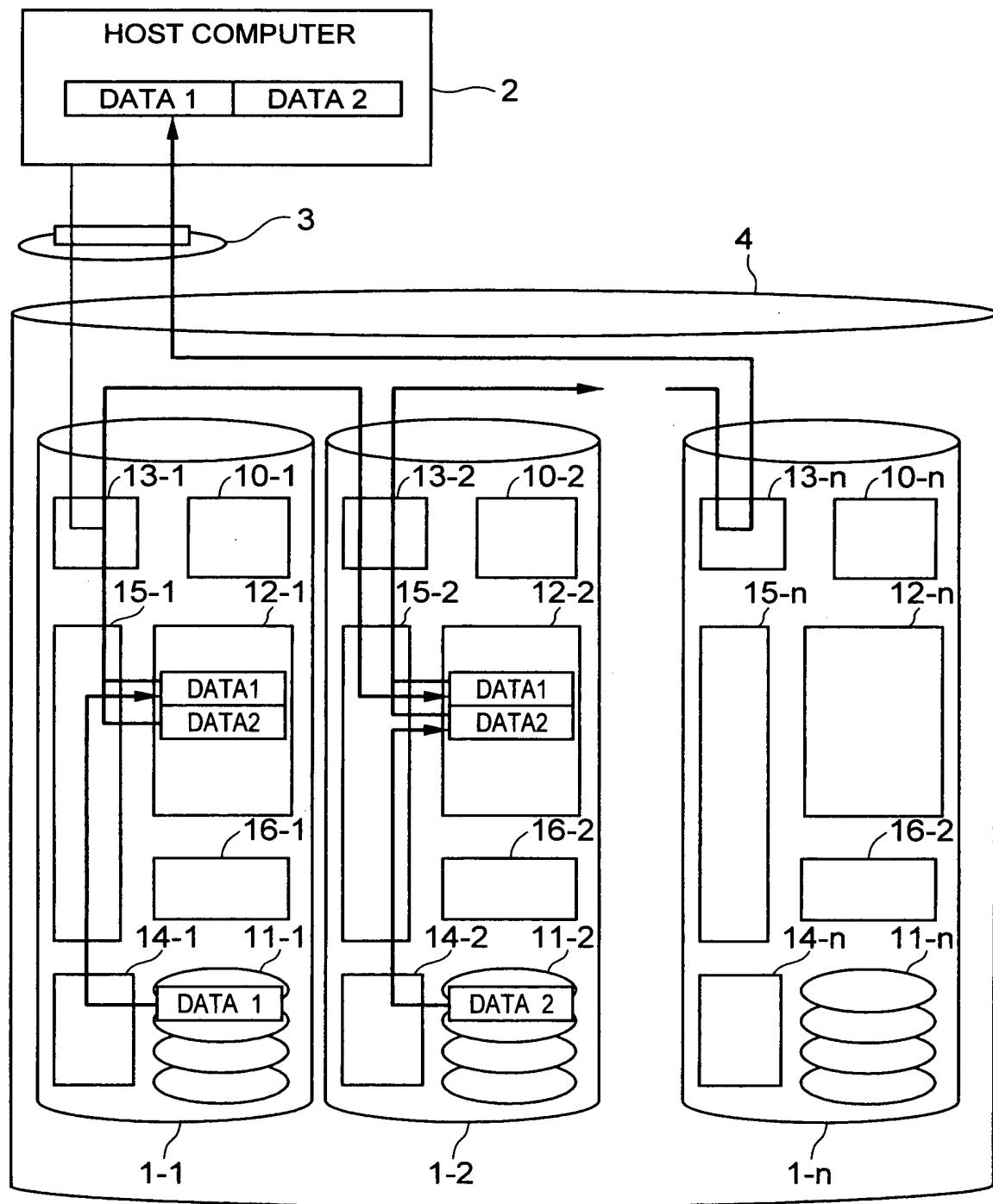


FIG. 29

BYTE	BIT	7	6	5	4	3	2	1	0
0-X									DATA_VALID BIT
-									USER (READ/WRITE) DATA SEGMENT 0
-									:
-									USER (READ/WRITE) DATA SEGMENT n

FIG. 30

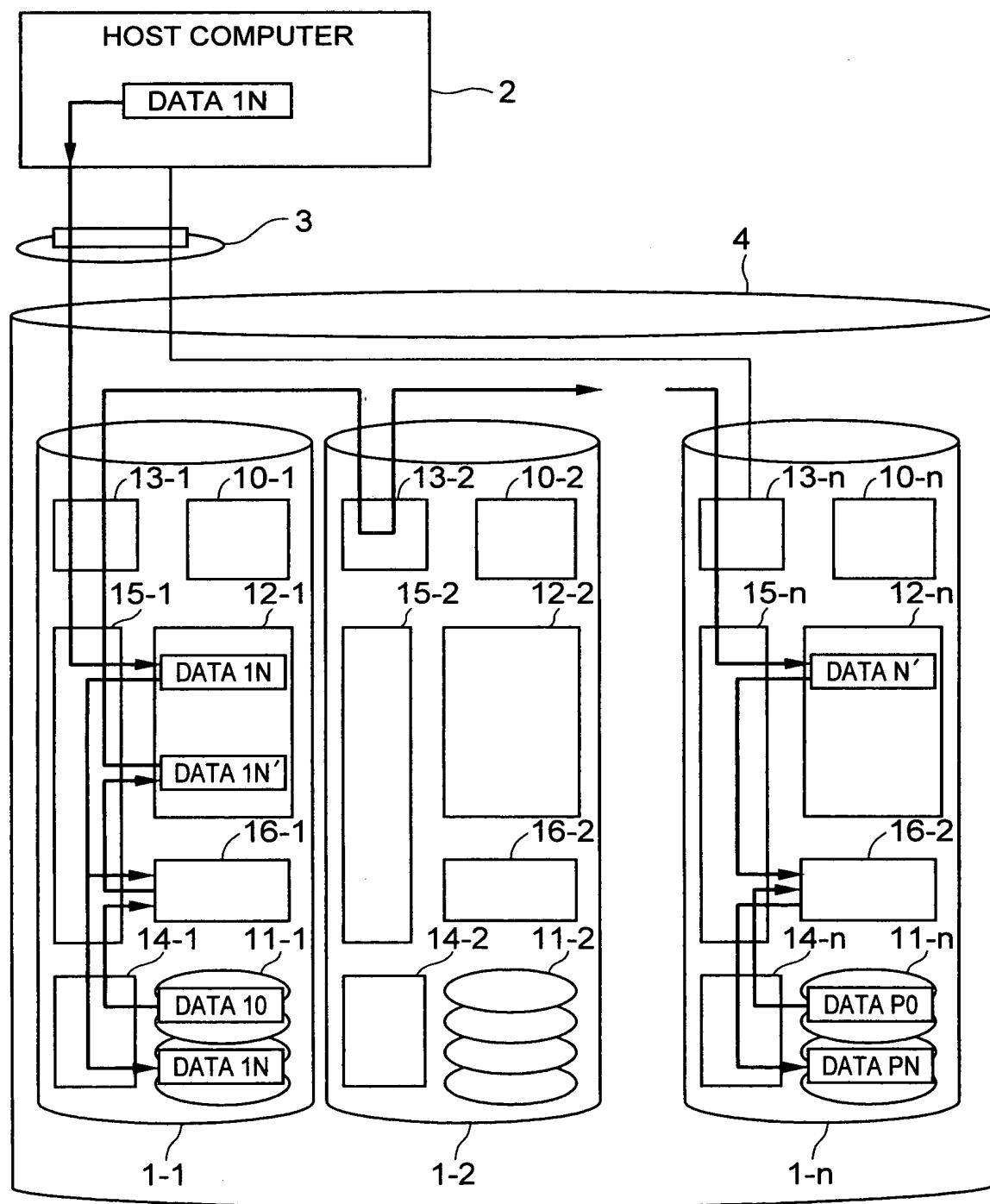


FIG. 31

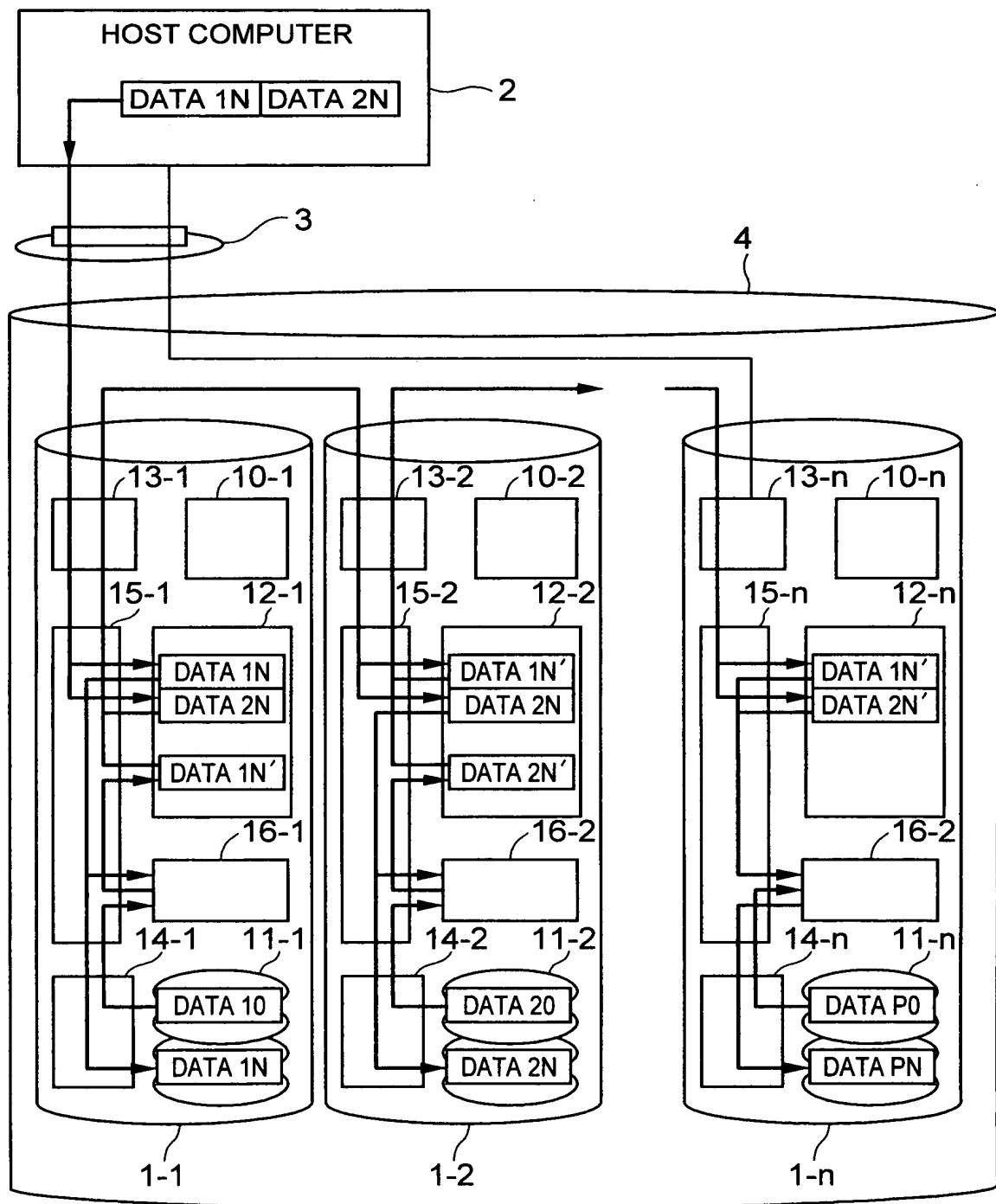


FIG. 32

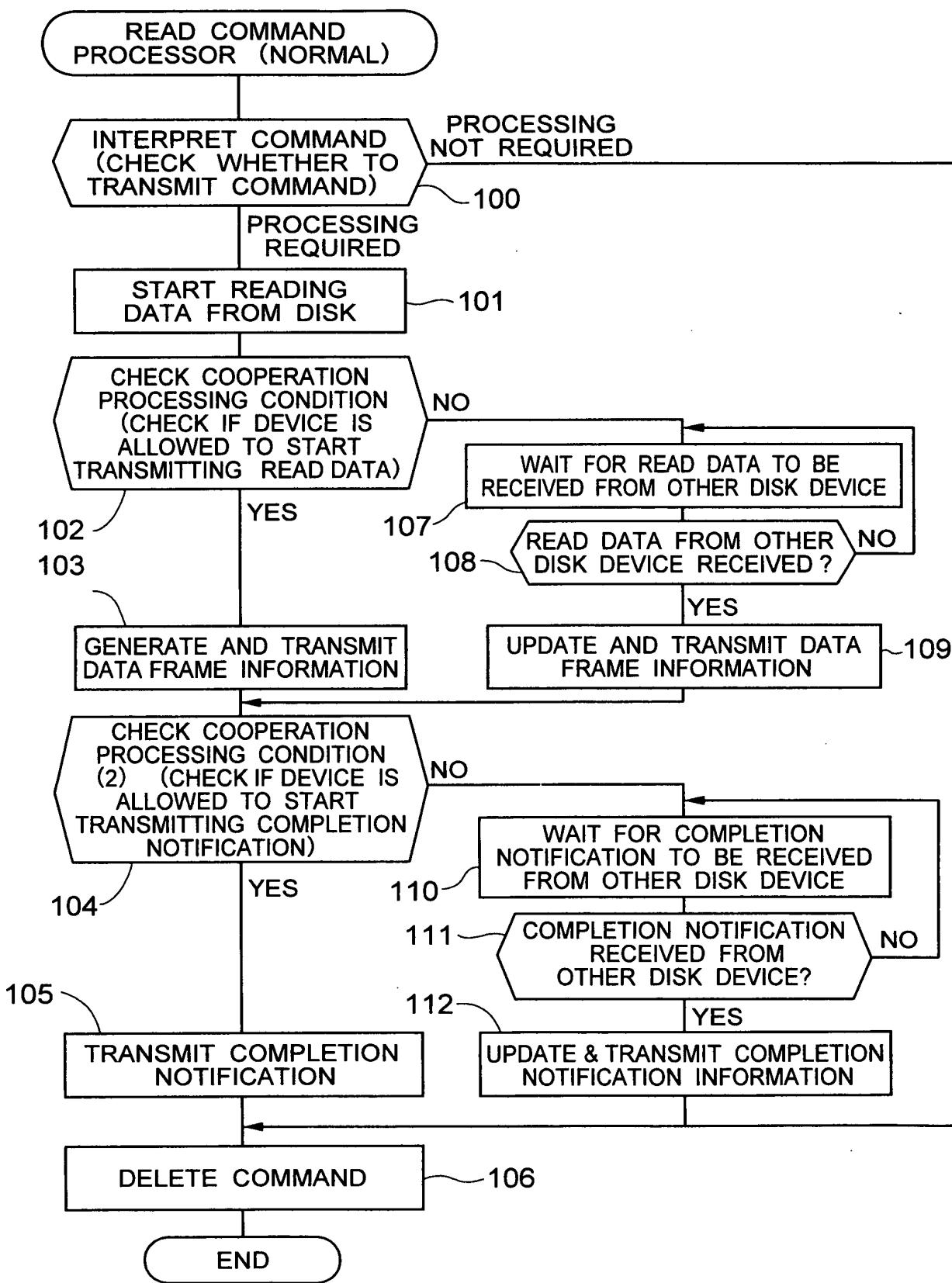


FIG. 33

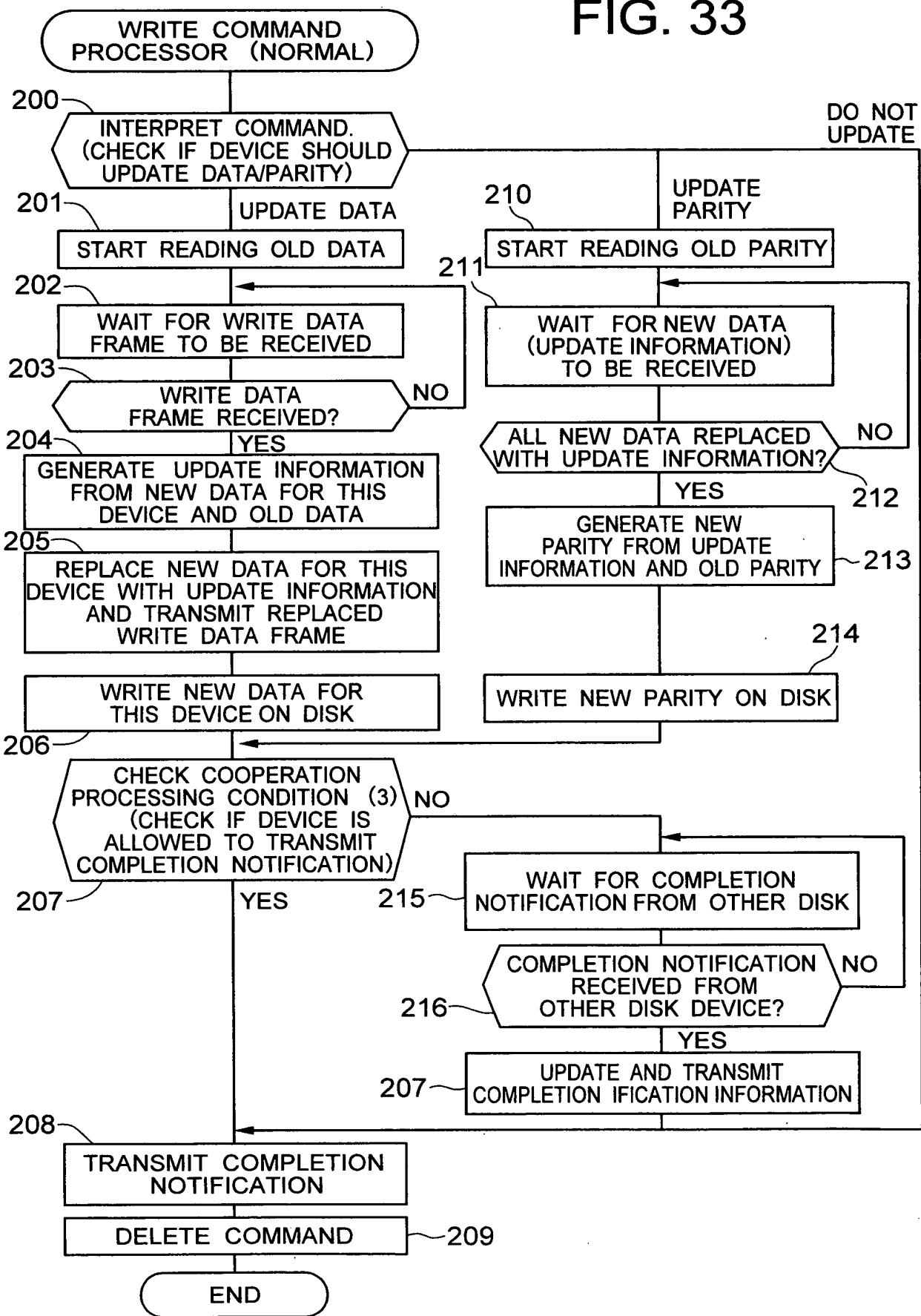
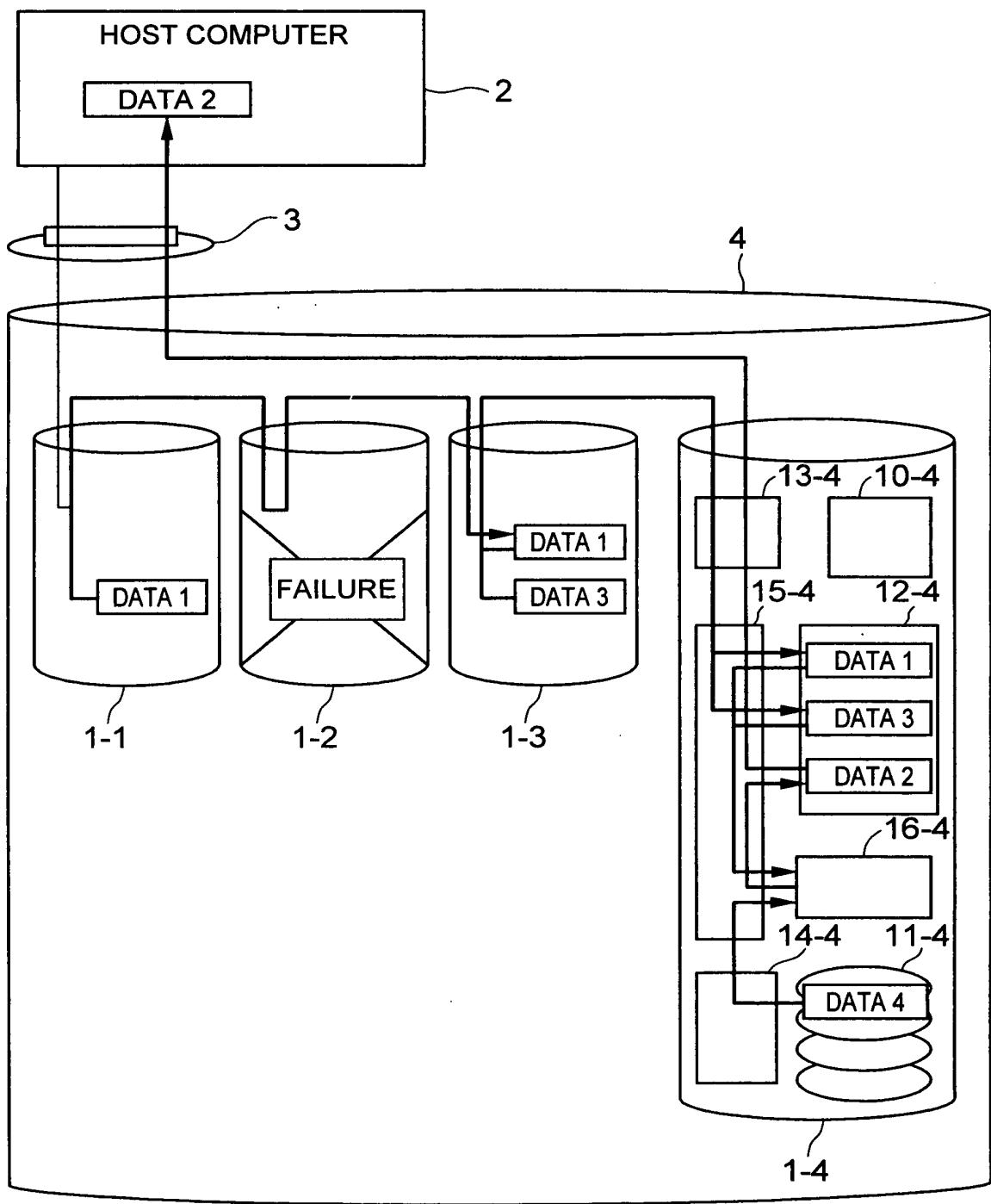


FIG. 34

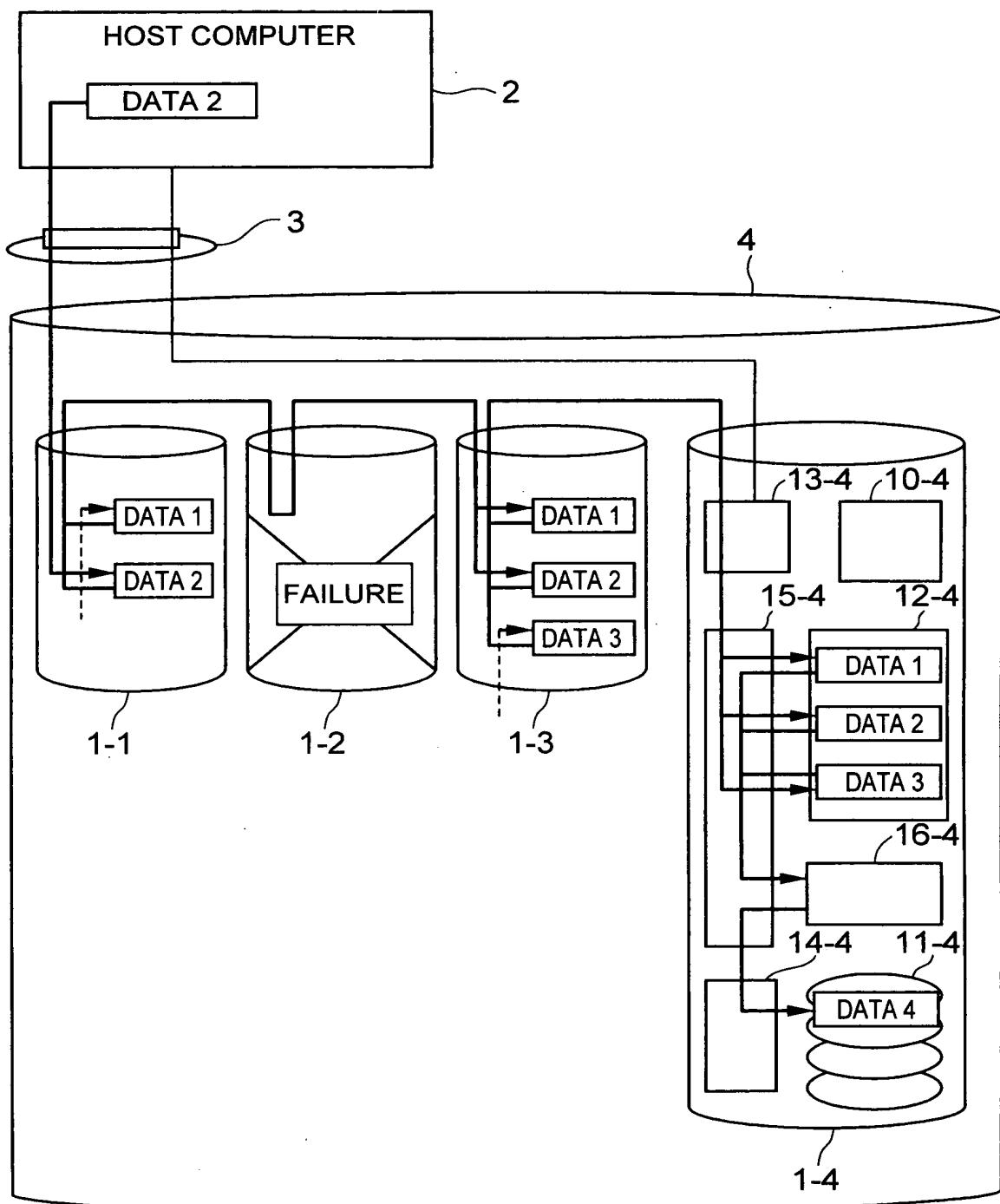
COOPERATION CONTROL INFORMATION ITEM		STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYSTEM ID (SHARED ID)		ID_0	←	←
STORAGE DEVICE ID (UNIQUE ID)		ID_1	ID_2	ID_N
POSITION MAP		1	2	N
COMMAND TRANSFER MODE		RECEPTION & RETRANSMISSION	RECEPTION & RETRANSMISSION	RECEPTION ONLY
REDUNDANT CONFIGURATION MANAGEMENT INFORMATION	RAID LEVEL	5	←	←
	NO. OF DATA DISKS	3	←	←
	NO. OF REDUNDANT DATA DISKS	1	←	←
	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	←	←
	OPERATION MODE (NORMAL/FALLBACK)	FALLBACK	←	←
	FAILING STORAGE DEVICE ID	ID_2	←	←

FIG. 35



10002303-022602

FIG. 36



1000823204-022602

FIG. 37

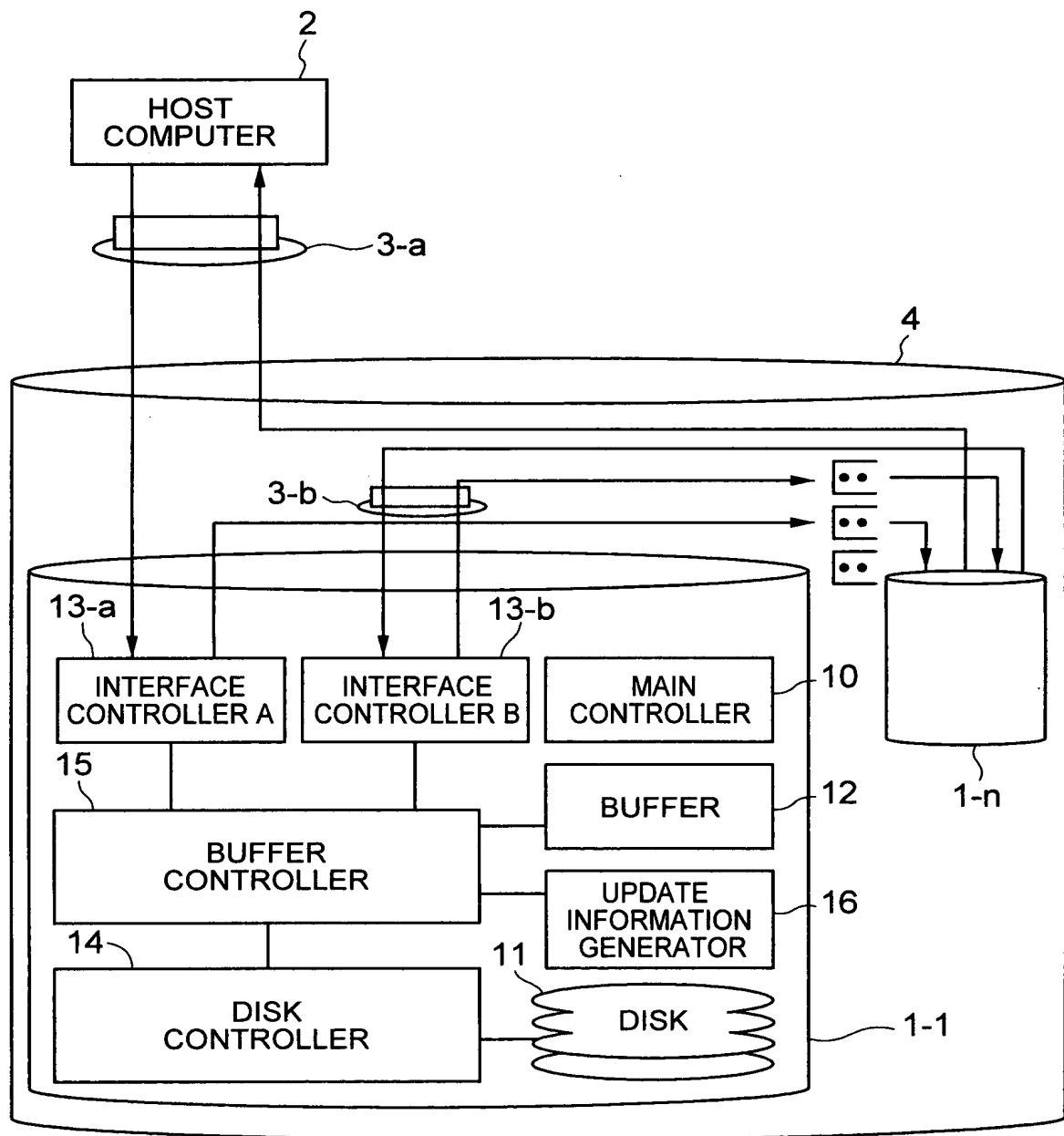


FIG. 38

